

IN THE CLAIMS:

B1
1 1. (amended) A hearing aid with a microphone system
2 (1) and a subsequent analog/digital converter (5), wherein
3 [characterized in that] the microphone system (1) is
4 encapsulated in a shielding case (3) and the analog/digital
5 converter (5) is mounted on the shielding case (3).

1 2. (amended) [Hearing] The hearing aid as claimed in
2 claim 1, [characterized in that] wherein the analog/digital
3 converter (5) is encapsulated in a converter shielding case
4 (7a, 7b) which is set to the potential of the shielding
5 case (3) of the microphone system.

~~Sub E~~
1 3. (amended) [Hearing] The hearing aid as claimed in
2 [either of claims 1 and 2, characterized in that] claim 1,
3 wherein the microphone system (1) and the analog/digital
4 converter (5) are detachably combined in modular manner.

B2
1 4. (amended) [Analog/digital converter for a hearing
2 as claimed in at least one of claims 1 through 3,
3 characterized in that it] The hearing aid as claimed in
4 claim 1, wherein said analog/digital converter comprises
5 [at least two] first and second analog inputs (I_1 , I_2), said
6 first analog input (I_1) having a first input impedance (Z_1)
7 and a first input gain (G_1), said second analog input (I_2)
8 having a second input impedance (Z_2) and a second input gain
9 (G_2), and wherein either said first and second input

10 impedances (Z_1 , Z_2) are different from one another or said
11 first and second input gains (G_1 , G_2) are different from one
12 another [of different input impedances (Z_1 , Z_2) and/or with
13 different input gains (G_1 , G_2)].

SUB E1
5. (new) The hearing aid as claimed in claim 2,
2 wherein the microphone system (1) and the analog/digital
3 converter (5) are detachably combined in modular manner.

1 ~~6. (new) The hearing aid as claimed in claim 2,~~
2 ~~wherein said analog/digital converter comprises first and~~
3 ~~second analog inputs (I_1 , I_2), said first analog input (I_1)~~
4 ~~having a first input impedance (Z_1) and a first input gain~~
5 ~~(G_1), said second analog input (I_2) having a second input~~
6 ~~impedance (Z_2) and a second input gain (G_2), and wherein~~
7 ~~either said first and second input impedances (Z_1 , Z_2) are~~
8 ~~different from one another or said first and second input~~
9 ~~gains (G_1 , G_2) are different from one another.~~

B3
1 7. (new) The hearing aid as claimed in claim 3,
2 wherein said analog/digital converter comprises first and
3 second analog inputs (I_1 , I_2), said first analog input (I_1)
4 having a first input impedance (Z_1) and a first input gain
5 (G_1), said second analog input (I_2) having a second input
6 impedance (Z_2) and a second input gain (G_2), and wherein
7 either said first and second input impedances (Z_1 , Z_2) are
8 different from one another or said first and second input
9 gains (G_1 , G_2) are different from one another.